

# **Manual – SmartLSM**

**Version: April 2008**

# SmartLSM

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**Note:** SimonsVoss Technologies AG reserves the right to makes changes to its products without prior announcement. As a consequence, the descriptions and explanations in this documentation may theoretically differ from the latest version of the product and software. In case of doubt, the original German edition should be used as a content reference. Subject to faults and grammatical errors.

# SmartLSM

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## 1.0 INTRODUCTION

### 1.1 PRODUCT DESCRIPTION

SmartLSM is an application developed specially for operating a SmartCD type Programming Unit in conjunction with a Windows Mobile 5.x PDA (Personal Digital Assistant) with a Bluetooth® interface. This enables you – very easily and without cables – to program and retrieve data from all of the digital locking components in the Simons-Voss System 3060. How you use SmartLSM will vary depending on the software you are using: LSM (LockingSystemManagement) or LDB (LockingDataBase); when there are differences, special mention will be made in the text. Please read the latest manuals of the software products you are using.

### 1.2 THE FUNCTIONS OF SMARTLSM

#### **Programming locks**

The Lock Plan on the SmartLSM version 1.2 is created using the Lock Plan software LDB version 1.5x or LSM version 2.2 (or higher). Subsequent changes to authorisations are performed in the Lock Plan software, then transferred to the Pocket PC. You can then program the locks using the Programming Unit, and also make changes to the Lock Plan (authorise/block transponders). Once programming is complete, the updated data is transferred to your PC using the Lock Plan software's import function.

#### **Retrieving data from locks**

You can retrieve Access Lists and transponder lists on site using the Programming Unit in conjunction with a Pocket PC.

#### **Resetting locks**

You can reset locks to their factory configurations.

#### **Modifying transponder lists**

Depending on the data transferred to your Pocket PC, you can block authorised transponders and authorise blocked ones.

#### **Opening doors**

You can also perform emergency opening using a password (LDB: Lock System password; LSM: special emergency opening password).

Other functions are discussed further on in this Manual.

## 1.3 EXPLANATION OF TERMS

**Pocket PC** = refers to a Windows® Mobile 5.x based, Bluetooth®-compatible PDA (Personal Digital Assistant)

**Programming Unit** = SmartCD containing software 9.6.0.15 or higher

**LDB (LockingDataBase)** = standalone version of the Lock System software for desktops and laptops

**LSM (LockingSystemManagement)** = client- and multi-user-compatible Lock System software for desktops and laptops

Other product names, company names and designations used in SimonsVoss product information may be brand names or registered trademarks belonging to other companies, and are only used for the benefit of their proprietors, without any intention of violating any rights, and exclusively for the purpose of explanation and clear identification.

## 1.4 IMPORTANT NOTES

SimonsVoss Technologies AG assumes no responsibility for damage caused by incorrect assembly or installation.

Passage through a door can be blocked by incorrectly installed and/or programmed components. SimonsVoss Technologies AG shall not be made liable for the consequences of incorrect installation – should, for example, access to injured or endangered persons, damaged property or other damage, be blocked.

## 2.0 INSTALLATION AND STARTING UP

### 2.1 SYSTEM REQUIREMENTS

- The SmartLSM software requires a Pocket PC running Microsoft Windows Mobile 5.x or higher, and Bluetooth® capability with Microsoft Bluetooth® stack.
- Technical support is only available for PDAs that have been tested and approved by SimonsVoss.
- Ensure that you always use the latest versions of the LDB/LSM Lock Plan software and SmartLSM. Your specialist retailer or SimonsVoss itself can provide you with information in that respect.

## 2.2 INSTALLATION

Note:

*The following hardware was used as a reference:*

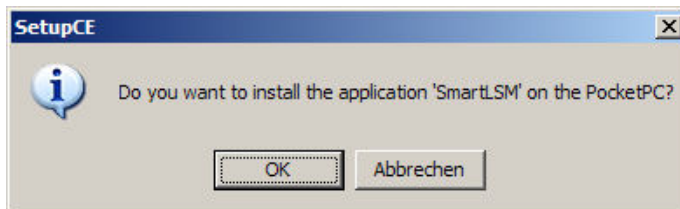
- A Pocket PC
  - Fujitsu Siemens
  - Fujitsu Siemens-Pocket Loox,
  - Windows Mobile 5.0 – OS5.1.70 (build 14410.1.1.3)
- A laptop
  - Fujitsu Siemens
  - LifeBook E SeriesXP with SP2

*The screenshots illustrated in this document may vary on other devices and other versions of the operating systems.*

Before installing SmartLSM, you will need to install Microsoft ActiveSync version 4.1 (or higher) and synchronise your data. Follow the instructions provided by the manufacturer of your Pocket PC.

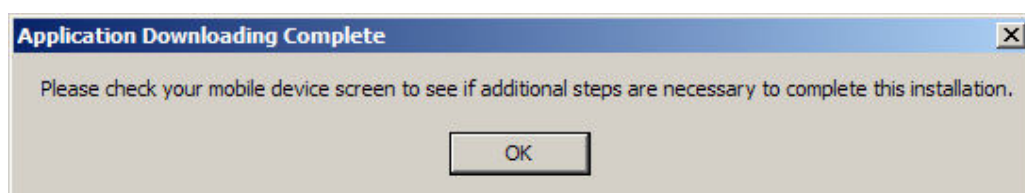
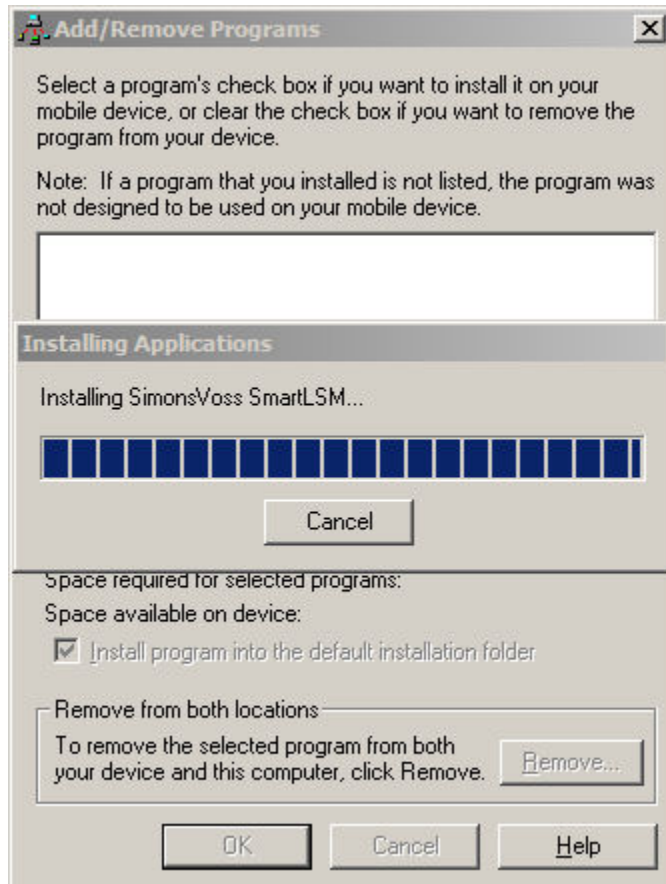
To install SmartLSM, insert the Installation CD-ROM.

When you run the installation routine (setup.exe), the following message appears ...

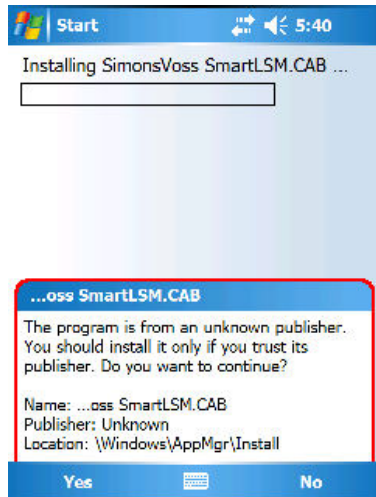


Confirm with **OK**.

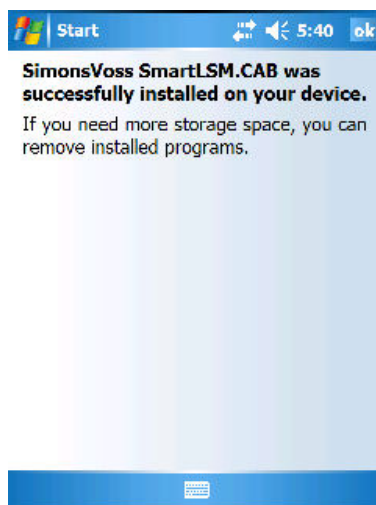
The software will be installed onto your Pocket PC.



After installation, please check the display on your Pocket PC as described.



Confirm the message with **Yes**.



The software is now installed on your Pocket PC.

- ☺ If you use a memory card in your Pocket PC, you will be asked for an installation path for the program. We recommend choosing **Device**.



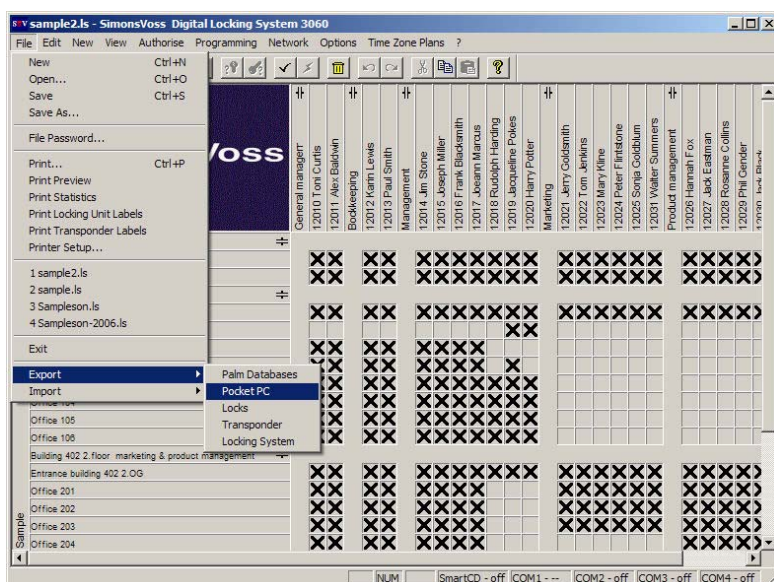
## 3.0 STARTING AND SETTING UP SMARTLSM

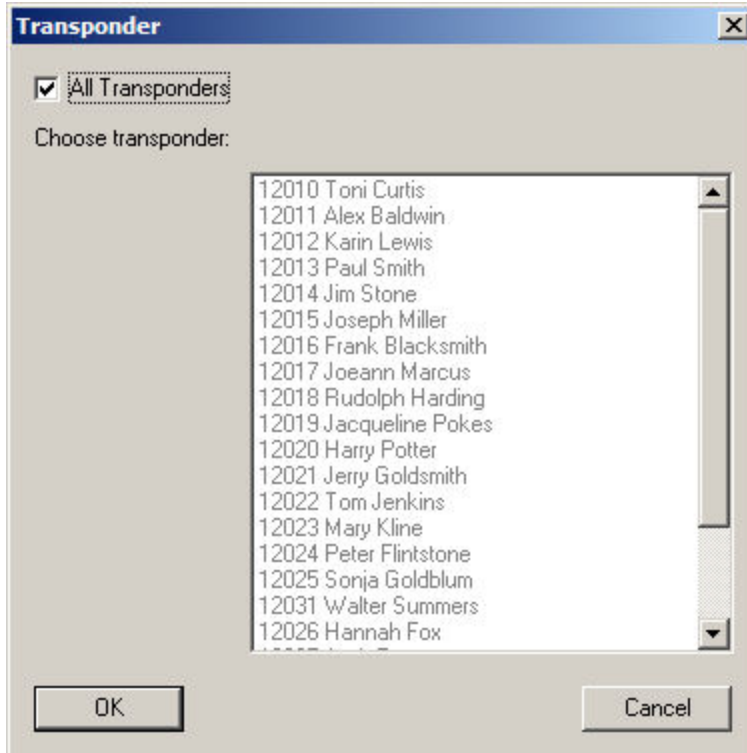
### 3.1 EXPORTING LOCK SYSTEMS

Place your Pocket PC into its docking station. Open your Lock Plan on the PC and make any changes that may be pending. Approve the Lock Plan and the transponder programming (only when using the LDB).

Choose

- File
- Export
- Pocket PC

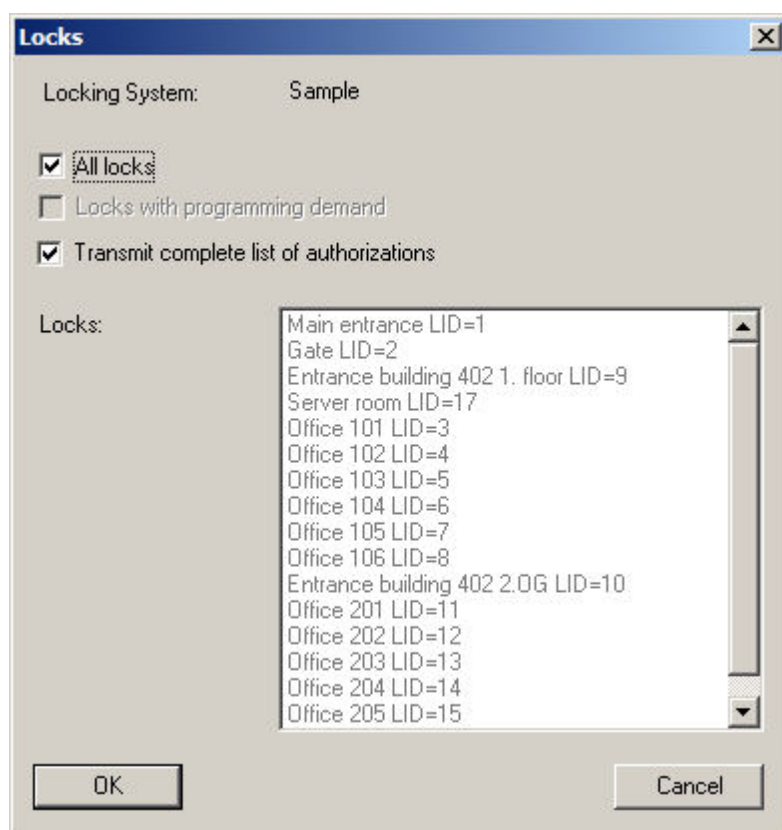




Select *All transponders* or only certain transponders. If you would like the transponder names to be displayed as well when you retrieve the Access List or transponder list, then you should always activate *All transponders*. If you do not, you will only receive the transponders' ID numbers when you retrieve the data using the PDA, and not their names; not until you have successfully imported the data onto your desktop/laptop will the correct names be available to you. Next, select the Lock System and the locks that you would like to modify using your Pocket PC.

You can select locks as follows:

1. "All locks"
2. "Locks with programming demand"
3. Only particular locks – you mark the ones you want



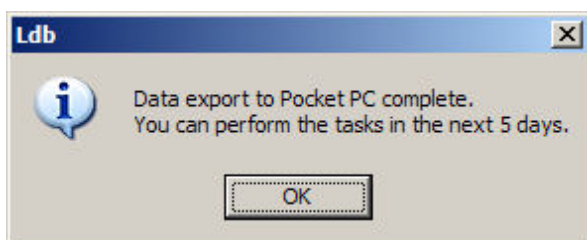
**"Transmit complete list of authorisations"** means that all of the authorisations in the Lock System will be exported. This is very important if you would like to make short-term changes using the Pocket PC on site. Otherwise, only the Lock Plan changes are transferred. Confirm with **OK**.

**Warning:** If you have configured LDB for secure exporting to a SmartLSM (the default setting in the Lock System properties from version 1.50 of LDB onwards), you will have to provide the Lock System password during the export procedure (in the window that follows) in order to allow the following functions: *Reset*, *Modify transponder* and *Modify IDs*. This will enable this data to be transferred to the Pocket PC.



- ☞ If you have not configured your Lock Plan for secure export, then the window asking for the password will not appear. Once exporting is complete, all tasks will be available to the user without restriction.

The data export procedure takes place automatically when a device is recognised. The Lock Plan is then transferred to your Pocket PC.



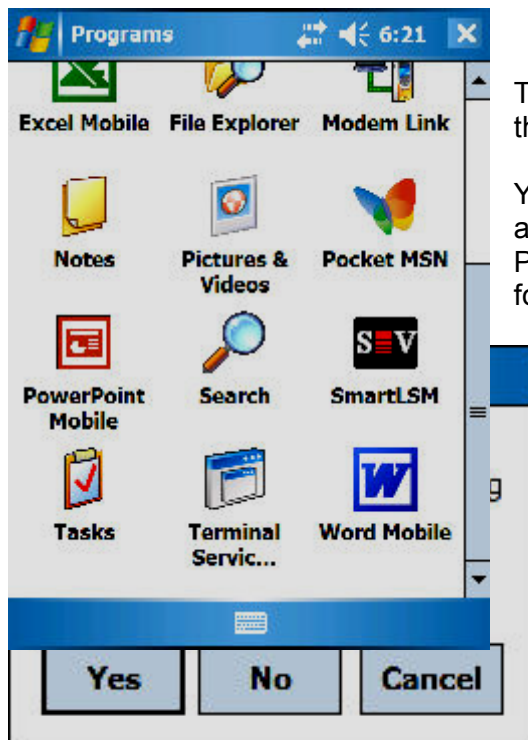
You now have five days (default setting in LDB 1.50 or higher) in which to perform the exported tasks (programming and retrieving data from locks, and so on). Once this time has lapsed, the database on the Pocket PC will be locked and data can only be imported to the desktop PC. This security function helps prevent potential conflicts (unwanted discrepancies between the data in the desktop PC and the Pocket PC).

- ☞ If you are using LSM version 2.2 or higher, then you can set the validity period for tasks to be performed using the Pocket PC. (Please see LSM user manual 8.6.3)
- ☞ Once the Lock Plan has been exported to the Pocket PC, you should not make any changes in the LDB/LSM Lock Plan software, otherwise conflicts may occur.
- ☞ Make sure the time and date in your Pocket PC correspond with the actual time and date.

- ☺ The Pocket PC serves as a temporary data storage device in order to enable you to move around and perform tasks within a Lock System without needing a network. The central element is the desktop PC containing the LDB/LSM software.

## 3.2 STARTING THE SOFTWARE AND SETTING UP THE SMARTCD

Tap **Start** or the Windows Symbol. You will find the SmartLSM application under **Programs**.



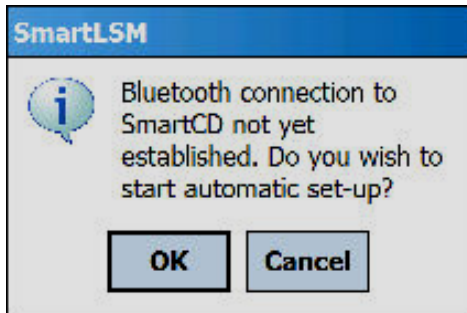
Tap the **icon SmartLSM** with your stylus, and the application will open.

You can now set up your SmartCD straight away. To do this you will need to activate your PDA's Bluetooth® facility in the window that follows.

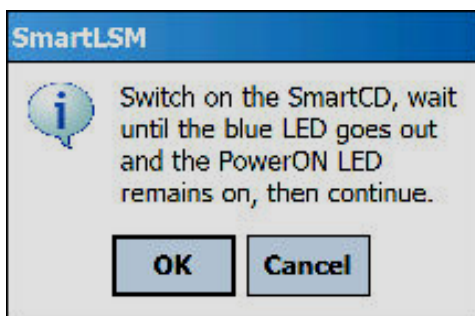
- ☞ Every time you open SmartLSM, it will check to see whether Bluetooth® is active. If not, a window will appear in which you can activate Bluetooth® on your PDA.

The software detects that the SmartCD has not yet been configured, and offers to set it up automatically.

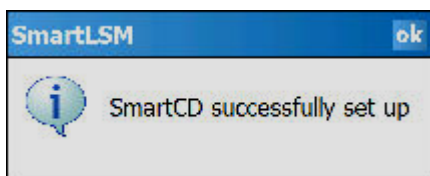
Warning: In the case you use a PDA which is not released from SimonsVoss, the Bluetooth® connection has to be installed manually. For the procedure please refer to the manual of the PDA.



Agree to do so, then follow the program's instructions and switch on your SmartCD.



Once successfully configured, your Programming Unit will be connected to the PDA via the software.



If you have not exported a Lock Plan yet, then you will be informed that there is no valid database on the Pocket PC (section 3.1, Exporting Lock Systems)

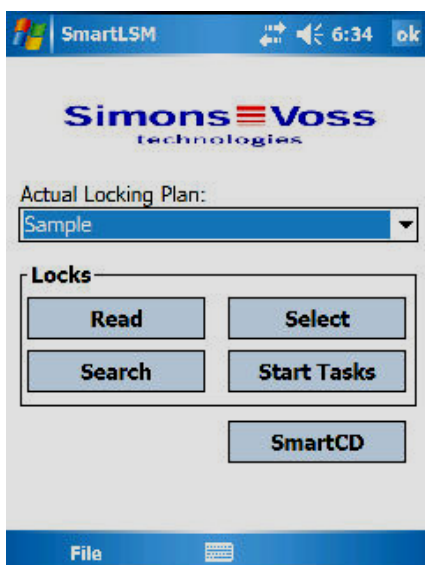
## 3.3 LOGIN

Once you have exported your first database, open SmartLSM on your Pocket PC.



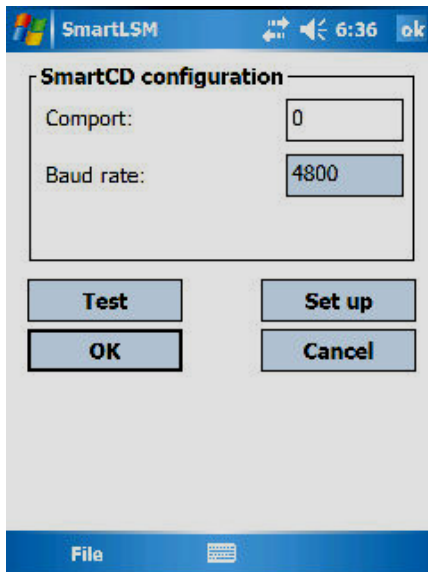
In the *Password* box, enter your file password (observe upper and lower case) and confirm with **OK**.

- 👉 If you are using LSM version 2.2 or higher, you will need to enter your user password here.
- 👉 For security reasons, if you do not perform any actions with the software, the login screen will reappear after a few minutes, meaning you have to register again.

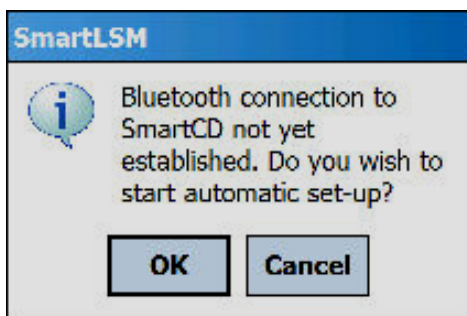


Next, click the **Config Device** button. A new screen will appear ...

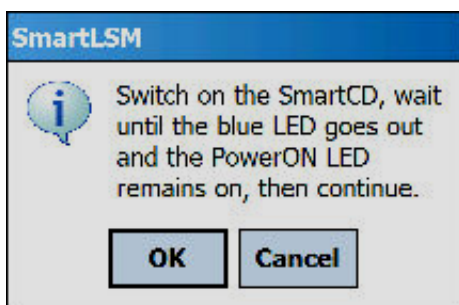
- 👉 If you have already set up your Programming Unit as described in 3.2, then please skip this section.



To set up your Programming Unit for the first time, click the **Set up** button.



Confirm with **OK**...



Follow the instructions and switch on your SmartCD, then confirm with **OK**.



If the SmartCD is recognised, then a message will appear saying that the SmartCD has been set up successfully. You will then be asked whether Bluetooth® should be deactivated.

Answer this question with **No**. You can then test the SmartCD which you have just set up. An information window will then open containing details of the SmartCD (battery status, serial number, and so on).

Tap **OK** to leave this window.

## 3.4 SOFTWARE VERSION

The version of SmartLSM installed can be viewed under **File / About SmartLSM** on your Pocket PC.

Please ensure that you always have the latest versions of the Lock Plan software installed on both your desktop PC and your Pocket PC.



You will find further information on our website, [www.simons-voss.de](http://www.simons-voss.de).

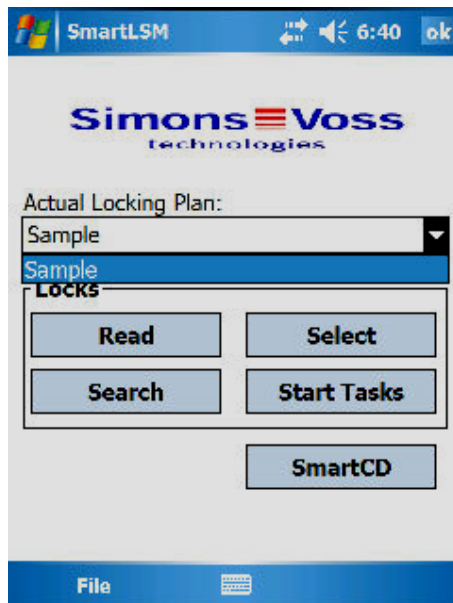
## 4.0 WORKING WITH SMARTLSM

### 4.1 THE MAIN MENU

#### 4.1.1 Retrieving data

Once you have exported a Lock Plan and set up the Programming Unit, you will of course want to start working with the Software.

To proceed, select the Lock System you would like to edit.

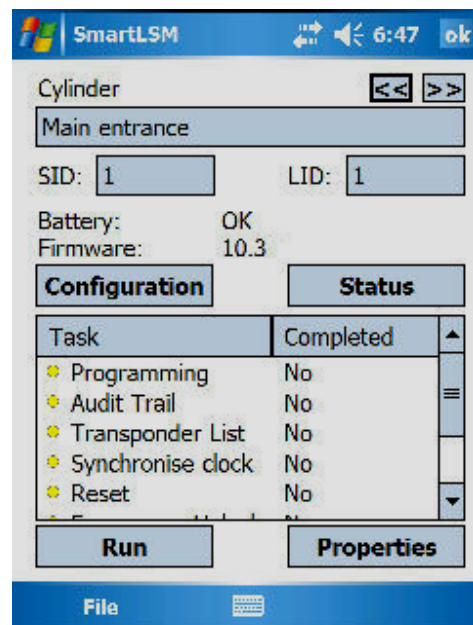


Tapping the **Retrieve data** button retrieves the data for a locking component within range of the SmartCD.

This screen shows you all of the data relating to this lock:

Lock type  
Name  
Lock System ID number  
Lock ID number  
Battery status  
Software version of this lock  
And details of its status

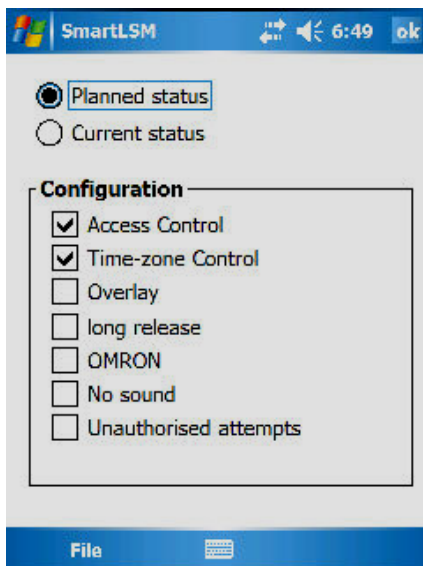
There are also buttons for configuring and requesting the status of this lock:



The **Execute** and **Properties** buttons relate to the task selected in the list above them.

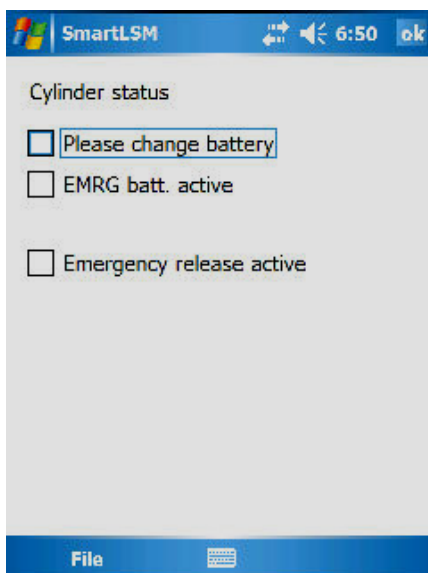
## Configuration

This displays the current and target status of the selected lock.



## Status

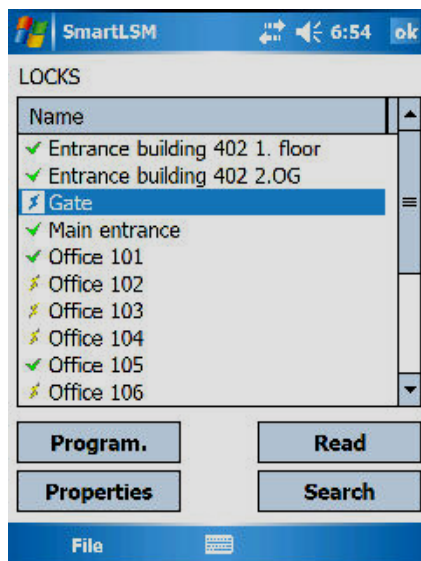
Status of the lock. For a cylinder, for example, this means the various battery statuses:



## 4.1.2 Select

The **Select** button allows you to manually select a lock which you would like to work on.

Simply mark the lock using your stylus, and perform the necessary steps – programming, retrieving data, properties.

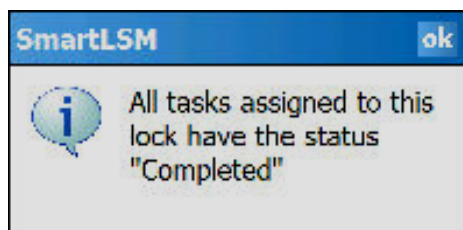


### Meaning of symbols

- ⚡ The relevant lock requires programming.
- ✓ The relevant lock does not require programming.

## 4.1.3 Execute

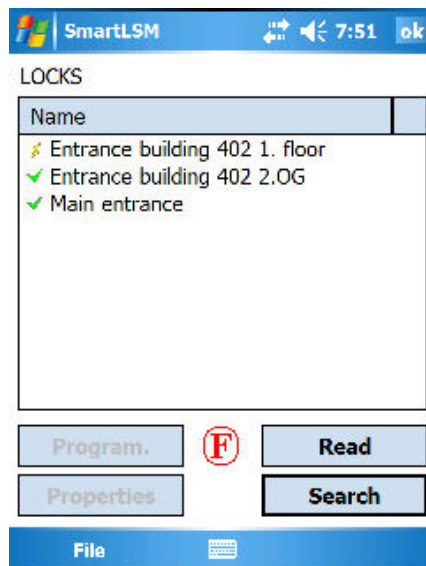
The **Execute** button represents a combination of a wide range of actions in SmartLSM. Data is retrieved from an unknown lock, and if this lock belongs to a Lock Plan stored on the Pocket PC, then all of the tasks marked down in the Plan for this lock are automatically worked through one after the other. That means retrieving its data, allocating authorisations, programming, and so on. The Pocket PC user does not have to do anything in the software other than press the **Execute** button and wait until the program says that all of the tasks assigned to the lock have been completed.




- ☞ If LDB 1.5x is being used, only the programming task will be performed automatically.

## 4.1.4 Filter

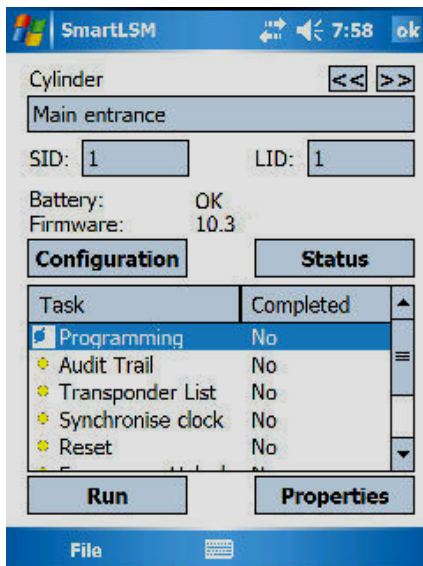
The **Filter** button enables the user to search for objects in his Lock Plan. You can look for locks in general, but also for locks whose tasks still need to be performed. To do this, enter a complete search term or parts thereof, and the software will compile a list of items found.



☞ The  symbol means that a filter criterion is active.

## 4.2 PROGRAMMING A LOCK

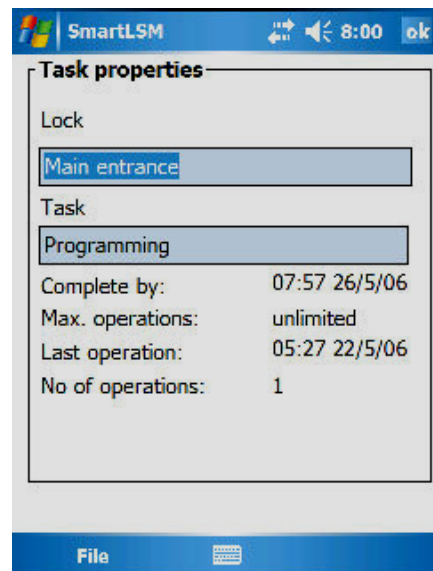
If you select a task ('Program' in this example)...



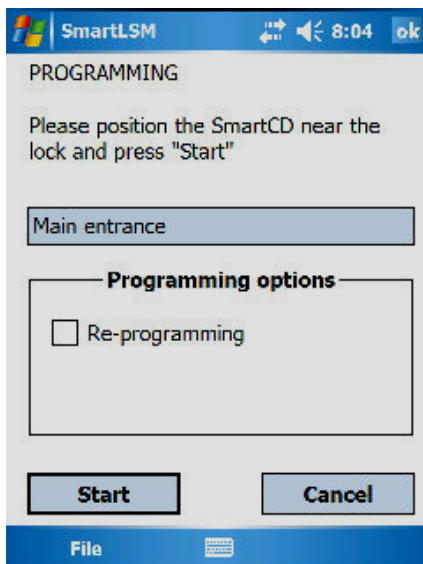
...then the **Properties** button will provide you with information about that task:

which lock it refers to,  
 which task,  
 by when the task is to be completed  
 a maximum of how many times it can be  
 performed  
 when this task was last performed  
 how many times it has been performed

Confirm this window with **OK**, then tap the **Execute** button.



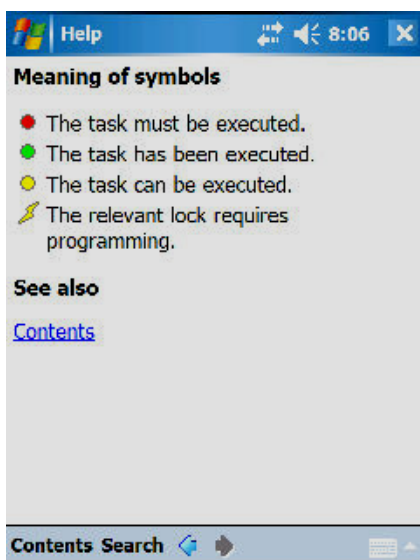
Since 'Program' was selected in our example, another screen appears asking whether you definitely want to program the lock ...



**Start** initiates and executes the programming.

Confirm successful programming with **OK**. The task will now appear with a green dot.

What the symbols mean:



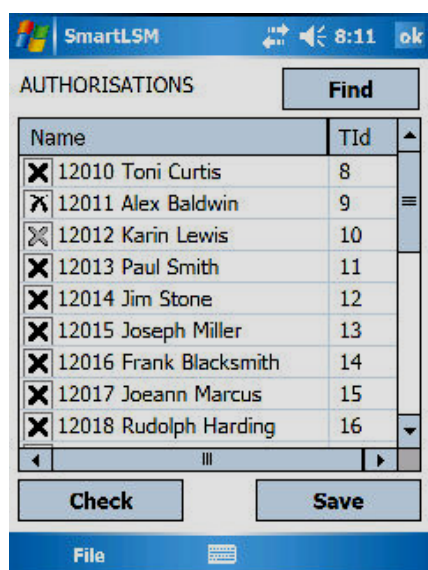
## 4.3 RETRIEVING ACCESS AND TRANSPONDER LISTS

Tap on the task concerned, such as *Retrieve Access List*, then follow the instructions. Once the Access List has been retrieved, it appears on the display. And, if you import the data to the LDB application, it will of course be available there as well.

- ☺ If you have already retrieved a lock's access or transponder list and you request to do so again, you will be asked whether you want to retrieve the list again or display the saved version.

## 4.4 CHANGING A TRANSPONDER'S AUTHORISATION

Select the *Modify trans.* and make the changes. In the list of people (the list of transponders, that is), check or uncheck the authorisations you want to assign or remove.



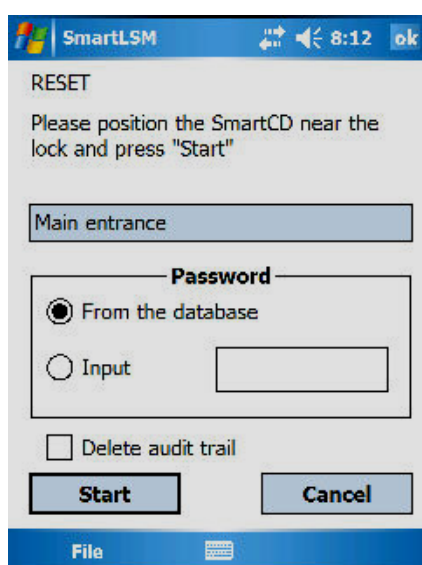
Next, tap **Accept**. The software will then program the changes. The **Check** button retrieves the transponder list which is actually stored in the lock.

Please note that operation is different where biometric readers are used. You can find out more from the appropriate system manual.



## 4.5 REPLACING A DIGITAL LOCK

If you would like to reset a lock – in order to replace the digital component, for instance – then select the *Reset* task. You will require the Lock System password to do this. SmartLSM will then offer you the possibility of resetting the lock without knowing the password, and replacing it with a new one. To this end, the Lock System password is stored in SmartLSM, and when you reset the lock it will ask you whether you want to use the password from the database or enter it yourself manually.



This means that people assigned to program or replace locks no longer have knowledge of the Lock System password.

If you replace a lock that cannot be reset, the software will not be able to program the new lock at first. It will first have to be reset manually in the Lock Plan.

Select the lock concerned and the *Modify IDs* task, and tap **Execute**. You will be asked whether you really want to go ahead with the task.

SmartLSM will then display the **Target** and **Current** values of the lock. Set both **Current** values to zero by tapping on the number concerned to mark it, and replacing it with a **0** (zero). In the *Password* box, enter 0x0 as the password (zero, lower case x, zero). Then tap **OK**.

👉 These figures are the factory settings with which digital locking components are supplied.

You will be asked whether you really want to make these changes. Confirm with **OK**. You can now program a new lock with the same name.

#### 4.6 PERFORMING EMERGENCY OPENING ON A LOCK

Should the need arise to perform emergency opening using the Programming Unit and Pocket PC, then select the lock concerned in your Lock Plan and mark the *Emergency opening* task. Click the **Execute** button and then **Yes** to confirm that you want to perform the task.

Enter the emergency opening password and press the **Start** button. The lock will then open.

- 👉 If using LDB, enter the Lock System password here.
- 👉 If using LSM version 2.2 or higher, enter the emergency opening password assigned in LSM.
- 👉 You can also perform emergency opening on a lock that does not belong to the Lock Plan exported to the Pocket PC, by entering the password programmed in the lock.

#### 4.7 TRANSFERRING DATA FROM THE POCKET PC BACK TO THE DESKTOP PC

Once programming and retrieving data from components is complete, it is essential that you transfer the data back from the Pocket PC to the desktop PC as soon as possible. Close SmartLSM on your Pocket PC, then place the Pocket PC in its docking station. In the Lock Plan software,

choose

- ➡ **File**
- ➡ **Import**
- ➡ **Pocket PC.**

The data will then be compared and incorporated into the software.

Now, for example, you can program transponders using the Programming Unit at the desktop PC.

Connect the Programming Unit to the PC using the USB cable supplied (see also the LDB 1.5x Manual).

## 5.0 ERROR MESSAGES

If a fault occurs while retrieving data or programming, the software will produce an error message, telling you what to look out for when repeating the attempt.

Your Programming Unit is not within radio range of a digital locking component:

Remedy:

Bring it closer to the lock, or move it further away.

*Separation (relating to the electronics):*

*Programming Unit to cylinder  
min 10 cm, max 25–35 cm*

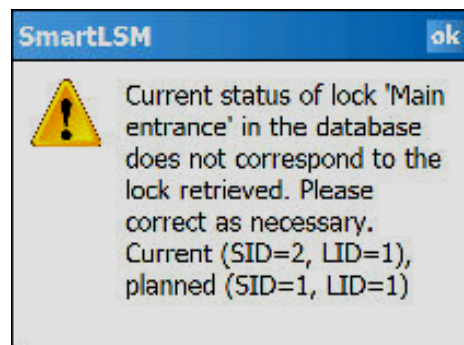
*Programming Unit to SmartRelay  
min 20 cm, max 40–60 cm*



The current status of the lock and the target status in the software do not agree:

Remedy:

Please check your Lock System for wrongly programmed locks.



If emergency opening is not performed due to an incorrect password or a radio failure, this message will appear:

Remedy:

Repeat the procedure and take care to enter the password correctly (upper/lower case) or the correct distance to the lock.



If the separation between the SmartCD and the digital lock becomes too great or too small during the programming procedure, then programming will fail.

Remedy:

Repeat the procedure and ensure that the separation remains constant throughout.



This message will appear if the Programming Unit cannot establish radio contact with a lock:

Remedy:

Move the Programming Unit closer to or further away from the lock and try again. Also, check the power supply to the lock.

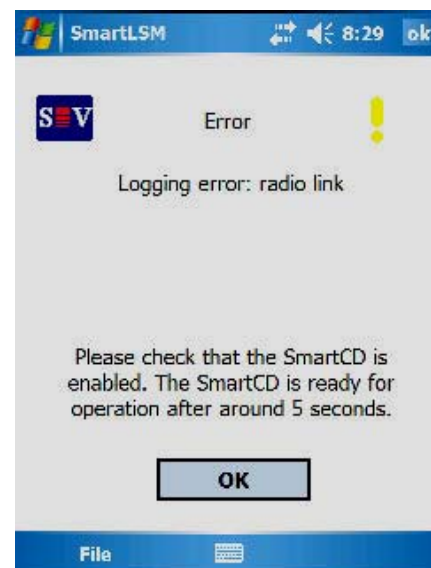


This message appears if the SmartCD's Bluetooth® is deactivated or not reachable:

Remedy:

Switch your Programming Unit on and try again.

Note: the Programming Unit's Bluetooth® interface is switched off after approx. 15 minutes to save power.



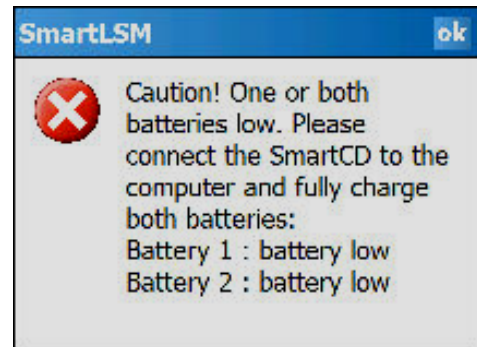
Every first time an action is performed using SmartLSM, the software will check the SmartCD's battery status.

Remedy:

If this message appears, connect your Programming Unit to the USB port of your desktop/laptop and charge its batteries.

Note:

The battery status is also checked regularly while using the software.



If your Programming Unit is still connected to the desktop/laptop, but you want to use the Programming Unit with your PDA, then this message will appear on your PDA.

Remedy:

Disconnect your Programming Unit from the desktop/laptop, then press the Bluetooth® button on the Programming Unit and try again.



## 6.0 GETTING HELP

### 6.1 HELP

#### PROCEDURE

- Start
- Help

Or

- File
- Help

Over these windows you reach integrated documentation.



Select the topic about which you require more information, or simply choose *Search* and enter a search term.

